

Attorney Docket No. 040250

IN THE CLAIMS

The following is a complete set of claims pending with this response.

1. (Previously Presented) A method of power control, comprising:
 - determining whether a wide-band interference is above or below a threshold;
 - enabling closed-loop power control in response to determining a wide-band interference above a threshold;
 - disabling closed-loop power control in response to determining the wide-band interference is below the threshold; and
 - sending a power feedback signal indicating a power transmission level if the closed-loop power control is enabled.
2. (Previously Presented) The method of claim 1 further comprising:
 - disabling open-loop power control in response to determining a wide-band interference above the threshold; and
 - enabling open-loop power control in response to determining the wide-band interference is below the threshold.
3. (Original) The method of claim 1, wherein the power feedback signal is a power-up command indicating an increase in power transmission level.
4. (Original) The method of claim 1, wherein the power feedback signal is a power-down command indicating a decrease in power transmission level.
5. (Original) The method of claim 3, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.
6. (Original) The method of claim 4, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.
7. (Original) The method of claim 1, further comprising sending a feedback signal indicating wide-band interference.

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8. (Previously Presented) A wireless terminal, comprising:
means for enabling closed-loop power control in response to determining a wide-band interference above a threshold;
means for disabling closed-loop power control in response to determining the wide-band interference is below the threshold; and
means for sending a power feedback signal indicating a power transmission level if the closed-loop power control is established.

9. (Previously Presented) The wireless terminal of claim 8 further comprising:
means for disabling open-loop power control in response to determining a wide-band interference above the threshold; and
means for enabling open-loop power control in response to determining the wide-band interference is below the threshold.

10. (Original) The wireless terminal of claim 8, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.

11. (Original) The wireless terminal of claim 8, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.

12. (Previously Presented) A wireless terminal, comprising:
a receiver configured to determine a wide-band interference above a threshold;
a baseband processor configured to enable closed-loop power control in response to detecting the wide-band interference, the baseband processor coupled to the receiver;
a transmitter configured to send a power feedback signal indicating a power transmission level if the closed-loop power control is enabled, the transmitter coupled to the baseband processor.

13. (Previously Presented) The wireless terminal of claim 12 wherein:
the baseband processor is configured to disable open-loop power control in response to detecting the wide-band interference above a threshold; and

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the baseband processor is configured to enable open-loop power control in response to determining the wide-band interference is below the threshold.

14. (Original) The wireless terminal of claim 12, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.

15. (Original) The wireless terminal of claim 12, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.

16. (Previously Presented) Computer readable media embodying a program of instructions executable by a computer program, said computer readable media comprising:

a computer readable program code means for enabling closed-loop power control in response to determining a wide-band interference above the threshold;

a computer readable program code means for disabling closed-loop power control in response to determining the wide-band interference is below the threshold; and

a computer readable program code means for sending a power feedback signal indicating a power transmission level if the closed-loop power control is established.

17. (Previously Presented) The computer readable media of claim 16 further comprising:

a computer readable program code means for disabling open-loop power control in response to determining a wide-band interference above the threshold; and

a computer readable program code means for enabling open-loop power control in response to determining the wide-band interference is below the threshold.

18. (Original) The computer readable media of claim 16, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.

19. (Original) The computer readable media of claim 16, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.

20. (New) A method of power control, comprising:

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detecting an interferer;

determining whether an interferer is a narrow-band interferer or a wide-band interferer, if an interferer is detected; and

enabling close-loop power control if a wide-band interferer is determined.

21. (New) The method of claim 20, further comprising:

filtering if a narrow-band interferer is determined.

22. (New) The method of claim 20, further comprising:

disabling close-loop power control and enabling open-loop power control, if an interferer is not detected.